

Converting Colors

XYZ(37.4377, 42.3522,
100.8094)

Have a look what the booklet for
XYZ(37.4377, 42.3522, 100.8094)
contains.

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Color

**XYZ(37.4377, 42.3522,
100.8094)**

Conversions

Conversions Part 1

Format	Color
Hex	45B7FF
RGB	69, 183, 255
RGB Percent	27%, 72%, 100%
CMY	0.7294, 0.2823, 0.0000
CMYK	0.73, 0.28, 0.00, 0.00
HSL	203°, 100%, 64%
HSV	203°, 73%, 100%
XYZ	37.4377, 42.3522, 100.8094
YIQ	157.1220, -91.0560, -1.7760

Conversions

Conversions Part 2

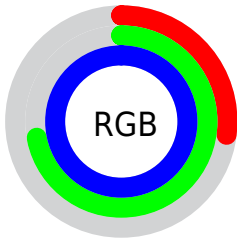
Format	Color
R _{YB}	69, 140, 255
Decimal	4569087
CIE _{Lab}	71.11, -8.97, -44.73
CIE _{LCh}	71, 45.625, 258.661
Yxy	42.3522, 0.2073, 0.2345
Android (android.graphics.Color)	4282759167 (0xFF45B7FF)
YUV	157.1220, 48.2539, -77.2830
Hunter-Lab	65.0786, -11.2019, -46.2877

Details

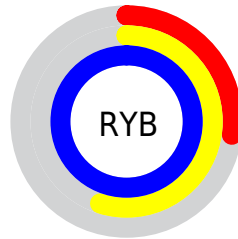
The XYZ color **37.4377, 42.3522, 100.8094** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **51.8409, 40.7425, 10.7640**, and the grayscale version is **31.9239, 33.5864, 36.5756**.

A 20% lighter version of the original color is **59.5640, 74.4420, 105.8371**, and **18.1757, 20.0425, 56.3367** is the 20% darker color. If you saturate the color by 10%, you get **34.0366, 37.6821, 100.0872**, and if you desaturate by 10%, it is **41.7608, 47.7109, 101.6158**.

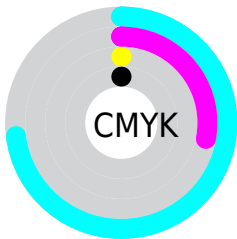
Distribution



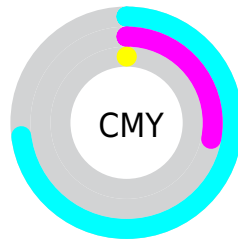
- Red (27%)
- Green (72%)
- Blue (100%)



- Red (27%)
- Yellow (55%)
- Blue (100%)



- Cyan (73%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4377, 42.3522, 100.8094 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.4377, 42.3522, 100.8094 by changing the saturation by 10% instead.

37.4377, 42.3522,
100.8094

37.4377, 42.3522,
100.8094

326.5244,
355.9409, 584.0534

25.7218, 29.3772,
76.3560

70.5549, 78.7324,
164.3306

16.7472, 19.3663,
56.2161

92.6870, 102.9063,
204.2355

10.1486, 11.9353,
39.9710

119.0217,
131.5820, 250.1280

5.5606, 6.6996,
27.2024

149.9246,
165.1439, 302.4267

2.6179, 3.2750,
17.4915

185.7610,
203.9763, 361.5500

0.9551, 1.2769,
10.4199

226.8962,

0.0000, 0.1232,

248.4637, 427.9165

5.5690

273.6955,
298.9904, 501.9448

■ 0.0000, 0.0000,
2.5203

■ 0.0000, 0.0000,
0.8509

■ 37.4377, 42.3522,
100.8094

■ 37.4377, 42.3522,
100.8094

■ 34.0366, 37.6821,
100.0872

■ 41.7608, 47.7109,
101.6158

■ 31.4430, 33.6354,
99.4428

■ 47.0932, 53.8054,
102.5112

■ 29.9867, 31.0933,
99.0289

■ 53.5154, 60.6820,
103.5000

■ 61.0982, 68.3812,
104.5864

■ 69.9062, 76.9400,
105.7742

■ 79.9986, 86.3929,
107.0669

■ 91.4310, 96.7720,
108.4677

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.3193, 42.3522, 85.4103



37.4377, 42.3522, 100.8094



45.1344, 42.3522, 98.4881

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.4377, 42.3522, 100.8094



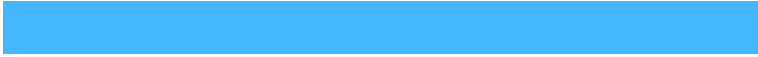
55.8188, 42.3522, 33.9327



30.2118, 42.3522, 23.5533

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.4377, 42.3522, 100.8094



51.8409, 40.7425, 10.7640

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.7396, 42.3522, 16.6586



37.4377, 42.3522, 100.8094



50.7455, 42.3522, 21.2111

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.4377, 42.3522, 100.8094



56.4240, 42.3522, 54.8806



43.2092, 42.3522, 15.9640



27.5131, 42.3522, 38.3351

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4377, 42.3522, 100.8094



50.1347, 42.3522, 87.3291



43.2092, 42.3522, 15.9640



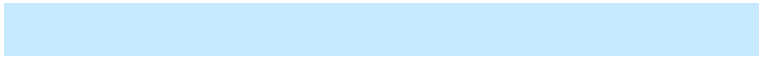
31.7659, 42.3522, 20.4674

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.4391, 42.3536, 100.8095



70.7958, 77.7867, 105.8907



42.9715, 74.6882, 37.0815



14.6084, 16.1293, 22.5933



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.4391, 42.3536, 100.8095



32.6302, 35.5593, 99.7516



24.2215, 15.9185, 96.4037



17.9299, 19.2314, 23.0170



15.8179, 16.5454, 51.7945



1.6462, 1.8231, 5.0784

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.9164, 28.9368, 47.6500



48.7998, 25.0513, 39.3739



71.5389, 80.1385, 17.3300



18.4773, 18.1742, 21.1303



24.7723, 12.3982, 17.9835



2.4655, 1.2286, 2.0329

Previews

White Background



This preview shows how the XYZ color 37.4377, 42.3522, 100.8094 looks on a white background.

Color Contrast Check

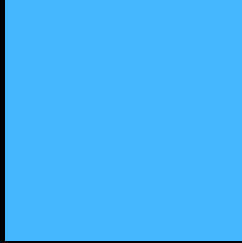
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.4377, 42.3522, 100.8094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

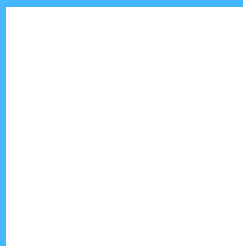
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4377, 42.3522, 100.8094

Background



This preview shows how black text looks on a background with the XYZ color 37.4377, 42.3522, 100.8094.



This preview shows how white text looks on a background with the XYZ color 37.4377, 42.3522,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.4377, 42.3522, 100.8094

Protanopia

43.4338, 41.8261, 92.1702

Deuteranopia

43.1191, 42.0434, 100.4503



Tritanopia

30.5034, 42.3918, 66.2492

Trichromacy



Original Color

37.4377, 42.3522, 100.8094

Protanomaly

40.3140, 41.5644, 95.5205

Deuteranomaly

40.2574, 41.7154, 100.5378

Tritanomaly

32.5512, 42.2247, 77.6687

Monochromacy



Original Color

37.4377, 42.3522, 100.8094

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7193, 35.4827, 55.6291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4377, 42.3522, 100.8094 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(69, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 183, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(69, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4377, 42.3522, 100.8094 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 183, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(69, 183, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(69, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4377, 42.3522, 100.8094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 183, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(69, 183,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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